Notice of Allowability	Application No.	Applicant(s)	
	10/089,119	HOLLIS ET AL.	
	Examiner	Art Unit	
	Warner Wong	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *January 4, 2007*.

2. ☒ The allowed claim(s) is/are *20-28 and 31-38*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sidney Weatherman (Reg. No. 45,602) on February 22, 2007.

The claims have been amended as follows:

Claim 20: A method for use in ~~In~~ a telecommunication system having a first network based on a first technology and a second network based on a second technology, the second network in communication with the first network; the ~~a~~ method comprising providing a message encoding format profile functionality adapted to enable transport of encoded information along at least a portion of a path of communication established between the networks; and ~~, the profile functionality including:~~

~~mapping means for~~ mapping the encoded information from a first message having a first message encoding format to a second message having a second message encoding format wherein the mapping is performed in accordance with table entries as follows: ~~2 as herein disclosed.~~

UUI Codepoint Range	Packet Length (Octets)	Encoding Format Reference	Description of Encoding Algorithm	M	Packet Time (ms)	Sequence Number Interval (ms)
0-15	31	AMR 12.2 EDU format	AMR 12.2	1	20	20
0-15	26	AMR 10.2 EDU format	AMR 10.2	1	20	20
0-15	21	AMR 7.95 EDU format	AMR 7.95	1	20	20
0-15	19	AMR 7.4 EDU format	AMR 7.4	1	20	20
0-15	18	AMR 6.7 EDU format	AMR 6.7	1	20	20
0-15	16	AMR 5.7 EDU format	AMR 5.9	1	20	20
0-15	14	AMR 5.1 EDU format	AMR 5.15	1	20	20
0-15	13	AMR 4.75 EDU format	AMR 4.75	1	20	20
0-15	2	AMR SID_First EDU format	AMR ID_First[x]	1	-	-
0-15	6	AMR SID_Update EDU format	AMR S50 ID_Update [x]	1	160	160
0-15	1	AMR No_Data EDU format	No-Data	1	20	20

Claim 21: ~~A message encoding format profile functionality~~ The method as claimed in claim 20, wherein the mapping is based on logical mapping.

Claim 22: ~~A message encoding format profile functionality~~ The method as claimed in claim 20, wherein the logical mapping includes bit stuffing.

Claim 23: In a telecommunication system having a first network based on a first technology and a second network based on a second technology, the second network in communication with the first network, a method of providing a message

encoding format profile functionality adapted to enable transport of encoded information along at least a portion of a path of communication established between the networks, the method comprising ~~including~~:

mapping the encoded information from a first message having a first message encoding format to a second message having a second message encoding format wherein the mapping is performed and

performing the mapping step in accordance with table entries as follows: ~~2 as herein disclosed.~~

UUI Codepoint Range	Packet Length (Octets)	Encoding Format Reference	Description of Encoding Algorithm	M	Packet Time (ms)	Sequence Number Interval (ms)
0-15	31	AMR 12.2 EDU format	AMR 12.2	1	20	20
0-15	26	AMR 10.2 EDU format	AMR 10.2	1	20	20
0-15	21	AMR 7.95 EDU format	AMR 7.95	1	20	20
0-15	19	AMR 7.4 EDU format	AMR 7.4	1	20	20
0-15	18	AMR 6.7 EDU format	AMR 6.7	1	20	20
0-15	16	AMR 5.7 EDU format	AMR 5.9	1	20	20
0-15	14	AMR 5.1 EDU format	AMR 5.15	1	20	20
0-15	13	AMR 4.75 EDU format	AMR 4.75	1	20	20
0-15	2	AMR SID_First EDU format	AMR ID_First[x]	1	-	-
0-15	6	AMR SID_Update EDU format	AMR S50 ID_Update [x]	1	160	160
0-15	1	AMR No_Data EDU format	No-Data	1	20	20

Claim 26: A method of transporting encoded speech information to and from a first endpoint in an access network across an ATM core network, said access network being connected to said core network via first telecommunications node, said method comprising ~~including~~:

(a) generating an AMR-encoded packet at said first endpoint from a digitized speech signal;

(b) transmitting said AMR-encoded packet to said first telecommunications node,

(c) mapping the contents of said AMR-encoded packet at said first telecommunications node into an ATM Convergence Sublayer Protocol Data Unit utilizing an AMR-encoding format profile, said mapping step including:

(c)(1) determining message User-to-User Indication information;

(c)(2) determining message Length Indicator information; and

(c)(3) selecting the AMR-encoding format profile based on the determined User-to-User Indication information and the determined Length Indicator information;

(d) transmitting said ATM Convergence Sublayer Protocol Data Unit across said core network to said second telecommunications node, said ATM Convergence Sublayer Protocol Data Unit including a header containing the User-to-User Indication information and the Length Indicator information; and

(e) reconstructing said AMR-encoded packet from said ATM Convergence Sublayer Protocol Data Unit at a second telecommunications node within or at an interface to said ATM core network, wherein the second telecommunications node determines the AMR-encoding format profile based on the User-to-User Indication information and the Length Indicator information included in the header of the ATM Convergence Sublayer Protocol Data Unit.

Claim 27: A telecommunications system comprising ~~including~~:

one or more access networks connected to an ATM core network[[,]];

a first endpoint in communication with said core network via a first of said access networks; and

first and second telecommunications nodes both of which are within or at interfaces to said ATM core network, wherein

said first endpoint acts to generate an AMR-encoded packet at said first endpoint from a digitized speech signal and transmits said AMR-encoded packet to said first telecommunications node, and wherein

said first telecommunications node ~~acts to map~~ includes:

mapping means for mapping the contents of said AMR-encoded packet into an ATM Convergence Sublayer Protocol Data Unit, said mapping means including:

means for determining message User-to-User Indication information;

means for determining message Length Indicator information; and

means for selecting an AMR-encoding format profile based on the determined User-to-User Indication information and the determined Length Indicator information; and

~~transmits said~~ means for transmitting the ATM Convergence Sublayer Protocol Data Unit across said core network to said second telecommunications node, said ATM Convergence Sublayer Protocol Data Unit including a header containing the User-to-User Indication information and the Length Indicator information, and wherein

said second telecommunications node includes means for ~~reconstruction of said~~ reconstructing the AMR-encoded packet by selecting the AMR-encoding format profile based on the User-to-User Indication information and the Length Indicator information included in the header of the ATM Convergence Sublayer Protocol Data Unit.

Claim 28. A first telecommunications node for use in a telecommunications system including one or more access networks connected to an ATM core network, a first endpoint in communication with said core network via a first of said access networks, and a second telecommunications node, said first and second telecommunications nodes both being within or at interfaces to said ATM core network, wherein said first endpoint acts to generate an AMR encoded packet from a speech

signal and transmits said AMR encoded packet to said first telecommunications node, ~~wherein~~ said first telecommunications node comprising ~~includes~~:

processing means to map the contents of said AMR encoded packet into an ATM Convergence Sublayer Protocol Data Unit, said processing means including:

means for determining message User-to-User Indication information;

means for determining message Length Indicator information; and

means for selecting an AMR-encoding format profile based on the determined User-to-User Indication information and the determined Length Indicator information; and

transmission means to transmit said ATM Convergence Sublayer Protocol Data Unit across said core network to said second telecommunications node, said ATM Convergence Sublayer Protocol Data Unit including a header containing the User-to-User Indication information and the Length Indicator information for indicating to the second telecommunications node, the AMR-encoding format profile to be used for reconstruction of said AMR-encoded packet from said ATM Convergence Sublayer Protocol Data Unit.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Warner Wong whose telephone number is 571-272-8197. The examiner can normally be reached on 6:30AM - 3:00PM, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Warner Wong
Examiner
Art Unit 2616

WW

WING CHAN
SUPERVISORY PATENT EXAMINER